

SEQUENCE LISTING

<110> EXONHIT THERAPEUTICS SA

<120> Identification of diagnostic markers for Communicable subacute spongiform encephalopathies

<130> 3665-178

<140> 10/578,672

<141> 2006-06-20

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<151> 2004-11-10

<150> FR 03 13275

<151> 2003-11-13

<160> 26

<170> PatentIn version 3.1

<210> 1

<211> 191

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

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attgacctgg aggaggcaga agatgagatc gaggacattc agcaggaaat cacagtgtg 120
 agtcagtgtg acagtcacct cgtaaccaa tttacggat cctacctgaa ggacactaaa 180
 ttgtggataa t 191

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<211> 244

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 2

tatctgcaga atttcccctt gagaagcgtt atgggggtgca ggtaagttat tacacaagag 60
 aaagaagttt tcttactaac agcaagatta atggcacaat tcaacaaaa ctcataata 120
 ttttactgct taatttacat attattttgg tggaaaaaat agtattcttt attctttcag 180
 tttctttatg caaaaataca cttctacagg gacatcactt agatgttatg caaacctccc 240
 cccc 244

<210> 3

<211> 325

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 3

gagacatttg gccaaaagag gaatttccag gacaccaaca acatccatta ttccattatt 60
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 taagcccat ttggccaaaa tcattgaact tgaaagatgc cctgtgggtc tgaaagatga 180
 gacgcattgc ccacacaaac ccttccacat tggagtagcc ctgctcattc agcctcttct 240
 tgatcttgtc cagccacatg ggctccttga gggtttttaga agcctctttc atataataat 300

aataggggaat cctcactata acgct

325

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<211> 688

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<213> artificial sequence

<220>

<223> ESB marker

<400> 4

aagcgttatg caggtaggcc gacaaggcga agtgggatgc cggagagcgg ccgagttatt	60
gctccgagga gaccacgttc accggttact atggcgaccg ccccatcccg gatcactatc	120
agccgttcac cgccgatgag gcgacgtggt tccagctctg ggagacggtg agcgagggca	180
ctcctacgtc gccgccttc gcgacgattg aggaactggc agcctacctc gccgagtggg	240
gcgaattctg tgatcacagg cgcgccgtcg agtccatgga cgcgcgcgag attgagcgcc	300
tcctgacgct gaatgaccgg cactagttca aggtgcggct gggggcagca gcgcgcctaa	360
gctttctgca agactggctg ggcgcccagc atgatggtcc gcggcggcga gatcctgacc	420
aaccctgggg acatggtgtc gtcgtgacct tcgcctagct ctctcacaca cctaggagga	480
agagatgacc accccaaca ttgcggcca cgagaccgaa gccaaaggccc gcaaggcggc	540
gatgaagtgg ttcaccttca cggacggcac caagcctgtc gagggcgctc acttccacat	600
caagcagaac cacttcgggc tctggacctt ccgggagggc ccggctccga agtccgccgg	660
accccgcatc actcataacg cttctcaa	688

<210> 5

<211> 373

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 5
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gttccttttg ccacatacat gcgaatctac aggaagggtg atattgtaga tatcaaggga 120
atgggtactg ttcaaaaagg aatgccccac aaatgttacc atggcaaac tggaagagtc 180
tataatgtca cccagcatgc tgttggcac attgtaaaca aacaagttaa gggcaagatt 240
cttgccaaga gaattaatgt gcgtatcgag catattaagc actctaagag ccgagatagc 300
ttcctgaaac gtgtgaagga aaatgatcag aaaaagaggg aagccaaaga gaaagggact 360
tggggttaac acc 373

<210> 6

<211> 235

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 6
gggcggagggt caccctgggg atcctccagg gccaggccct ggcacaactc gtctccatca 60
cacagatggg ccgtcgctg gtcgtggctc tcaggagtca gaccggaaaa agccagccct 120
ggggcaacca ggagcaccga ggtgatgagc aggacagccc aggaggtcat gttgaggcag 180
ctgaaaggtc tgtgcaagtc aatcatgaag aaatttctcc gtaccatcac ctccc 235

<210> 7

<211> 285

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 7
cttgtgtagg cagaggttcc agggtcagtg gaggaagcag catcacagcc agatccatgg 60

ttgggggatg gccacgggaa atgacttggt gactgactct gatctcagag tgggacaggc	120
tgacaggcat ctgggaattc cgggcaaggt caggcacgta ttatagaaga gcaaacacca	180
atcccaaaat atcctcagga atcagcgcat gagcccttc tggctcctgt gatggatgat	240
gaggcccagc ccaaggaaga tcagccccag cacaaagcct ccaac	285

<210> 8

<211> 235

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<220>

<221> misc_feature

<222> (44)..(85)

<223> N = A, T, G or C

<400> 8	
tctgcagaat tgcctctga gaagcgttat ccgttgacc caannnnnnn nnnnnnnnnn	60
nnnnnnnnnn nnnnnnnnnn nnnnncaaga gaaaagatca gagggtgctg gtgtgacgtt	120
taagtaggaa aaggcctgga aggtgagtcc atcaaccgag gagacaaaag tgggcccggc	180
tccttcaca ggtgccgact gatgctgcc gttcacggtc agtgtgggtc aacac	235

<210> 9

<211> 400

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<220>

<221> misc_feature

<222> (18)..(57)

<223> N = A, T, C or G

<400> 9

aagcggttatt tagataannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntac	60
accagagta ttccatagtt tgatggtttt gtctcgggag ccagagacaa tttgccggtt	120
gtcagaagag aaggccacac tcagcacatc tttggtatgg cctacaaatc ggcgagtgg	180
ggtgcccgtt gtgagatccc aaaggcgaag ggttccatcc caggagcctg agagggcaaa	240
ttggccatct gaggaatga ccacatcact aacaaagtgg gagtgacccc gaagagcacg	300
ctgtgggata ccatagttgg tttcatctct ggtcagcttc cacataatga tggctttatc	360
tcgagaggcg gacgatatca tgtccgggaa ctggggagt	400

<210> 10

<211> 397

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 10

gggccagggg atgatatgaa tgtcacagga ggagacacct tctgtctttg tttcaaagaa	60
agttgatgtg ccatttggtta atatacaaga gaaatattga aaatatattg aaaagagcaa	120
ttttaaatta tttttggctt atgttgcaat atttattttc ttgtattagg aaagattcct	180
ttgtagaaaa aaaatgtatt tttcattaac gcaaaaacct atttctcctt tttgtacatt	240
gtccatgttc gctaccctta acgagcaata gaatgtatgg ctgcctcggg gtggccggtg	300
cccgcgtgcc ctgcatgatt ctgtgggtccc accaccatgt agctcccagt cccatcctgt	360
cctgctcact catggggggtt tccagagcct agccct	397

<210> 11

<211> 397

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 11

tggattgcag	gtgactgaga	aaaccatcga	ggacagtttt	taaggggtca	ctgagccagg	60
agcaaattgag	atcctgagaa	agtacttcat	tgtggaagag	ttagcactaa	gcaggaaacc	120
tttccatgct	gtgaagaagc	tgggacagaa	ggttcttcct	tgagtgtgac	catcttcact	180
tcagctcagg	agccctgttg	gctgaagtgt	agggcgctct	ttctgattcc	tgaagtatat	240
ttattagccc	cacggcaagg	aagaacagac	tcagaacgaa	gcccccgact	ccactcatca	300
tcttgcctcg	agcagagtca	gaccgtgccc	tccattctac	tgtgataggg	cttgtctggc	360
tggggtgctc	cacttgga	gtgtagacct	ggcacca			397

<210> 12

<211> 454

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<220>

<221> misc_feature

<222> (435)..(446)

<223> N= A, T, C or G

<400> 12

gctgtccaaa	aaggcctccg	ttatggaata	attcttttta	ttatctccga	agtactattc	60
------------	------------	------------	------------	------------	------------	----

tttacccgat ttttctgagc tttctaccac tcaagcctcg cccccacccc tgggggagggc	120
ggctgctgac ccccaacagg cattcaccca ctaaaccccc tagaagtccc actgctcaac	180
acctctgtcc tattggcttc cggagtttct attacctgag cccatcatag tttaatagaa	240
ggggaccgaa agcatatatt acaagcccta tttatcacca tcacattagg agtctacttc	300
acactactac aagcctcaga atactatgaa gcacctttta ctatctccga cggagtttac	360
ggctcaactt tttttgtagc cacaggcttc cacggcctcc acgtcatcat tgggtccaac	420
aaataacgct tctcnnnnnn nnnnnntgca gata	454

<210> 13

<211> 219

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<220>

<221> misc_feature

<222> (47)..(140)

<223> N = A, T, C or G

<400> 13	
ggggaggtat ctgtcaccca cgcagaaatg cttctgacag gcggcannnn nnnnnnnnnn	60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn	120
nnnnnnnnnn nnnnnnnnnn cttggccgaa aagcctgagg tagtctcggc ggcagagctt	180
ccggcccagc ttgtagtaga ggcgccggcc cacctaccc	219

<210> 14

<211> 386

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 14

gaagcgttat tggaggagggc taacctagga gcagaggatc agttcacgaa gagcgagcgg	60
gtgaactcga cgtagtcaaa agcagtgggg agttcgcggc ccttgctgtc cacgtagggc	120
ttcatgtggg agacgcagta gtcggcttgt tcccgagtca agttctggta cagctcctcc	180
ttggtcacat aaggcttccc ttcagagctc acggcccggg aggcgctctc aatctcctcg	240
ctggacttga cgttctccgt ctcacggctg atcataaagg acatgtactc ttgcatggag	300
acgtggacgt ccctgttagg atccacagtg tccaagatgg actcgaactc aaggtcgggc	360
tccccttctc ccaacatggg caggtc	386

<210> 15

<211> 472

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 15

tctgcagaat tcgcctttga gaagcgttat gggggcgagg tggtaaagga agcttacaaa	60
acaactattc tttaaaaaaa aacaaaaaaa caaaaaaaca aaaaacagca aaagccaacc	120
ggcccaattt tgtctccagt tttcaacgtg tgctttcgag catttcagct gtttccagtt	180
actttagttt ccagatatta gtcttccatt tagttttaag actaaatctc acttttggat	240
aaacacaagg aaatatttta cttgctgaaa aatcacttta ctggataaag ttacctotta	300
tgcccttcag ttttctaata caactttctg acaaccagtg gtaattagga agttctaagt	360
tgcaattgtc cctatgactt tgggcttccc tgggtggtca gctgggtcaaa aatctgcctg	420
caatgcggga gacctccacc ccataacgct tctcaaaggc gaattctgca ga	472

<210> 16

<211> 424

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 16

ttgagaagcg ttattgtggg gaggtcatag ttgatgacta aggaaacttg ctgtacatca	60
atacctctgg ccagtaggtc agtggtaatc aatactctgc tggagccaga gcggaactcc	120
ctcatgataa cgtctcgttc tttttggtcc atgtctccgt gcatggcaga gacggtgaag	180
tctcgggcat gcatcttctc ggtgagccaa tccaccttcc ttcgggtggt gatgaagatg	240
actgcctggg taatggtcag ggtttcatac aagtcgcaca gtgtgtccag cttccactcc	300
tctcgtttcca cattgatgta gaactgacgg ataccctcca gcgtcaactc ttccttcttg	360
acaagaattc taattgggtc cctcatgaac ttcttgggtca cctcccgcgc ataacgcttc	420
tcaa	424

<210> 17

<211> 474

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 17

cttgtatggt gtatggaagt tacttggtaa atccagaatc aggatacaat gtctccttgc	60
tatacgacct tgaaaatctg cctgcatcca aggattccat cgtgcatcaa gctggcatgt	120
tgaaacgaaa ctgttttgcc tctgtctttg agaaatactt ccagttccag gaatgagggc	180
aaggaatgag agttaggggc agttatccat tatagggatg atgagaccat gtatgttgag	240
tcaaaaaaag acagagtcac agtagtcttc agcacagtgt ttaaggatga cgacgatgtg	300
gtcattggaa aggtgttcat gcaggagttc aaagaaggac gcagagccag ccacacagcc	360
ccacagggtcc tcttcagcca cagggaacct cccttagagc tgaaagatac cgatgccgcc	420

gtgggtgaca acattggcta cattaccttc gtgctgttcc ctgcccgaat ataa

474

<210> 18

<211> 372

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<220>

<221> misc_feature

<222> (362)..(368)

<223> N = A, T, C or G

<400> 18

ccagtgtggt gccctgaga agcggtatat gcggtagtga ggggaatttc aattacatcg	60
agttcacacg catccttaag catggagcga aagacaaaga cgactaaaaa gaacttcaaa	120
ctccagccaa acgttccttg ttgccactct ggggtatttct gagactttct cttagagcct	180
gttgcattgcc cttagcttta cagcttctgc ctttcttttg tatttattct cagccatttg	240
gggcacatgc atctctataa tcagactgga tatgggactt cttgtcattt taagagtaga	300
aaatagggta atttaactta ccagctgccc tctacctcc cccaaagtca taacgcttct	360
cnnnnnnnca gc	372

<210> 19

<211> 535

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 19
tctgcagaat tgcgctctga gaagcgttat gctgagaggg gggactggaa gctttgctga 60
tatttactca atattcacaa ggggcctgtg taatgtgttt cacaggtagt gctaattgctc 120
aatgcaagat gcatttcagc cttgtaattc ctttcatttg agtctttgaa ccatgtccaa 180
tgaaccagag ctcaaactaa tcaattttgt agttggtatt tgttggaggg gaggcaggca 240
tggacagcaa tagggagtga gctggagaga tgctttgcta accatagtaa actgtgaaaa 300
aatagttact tcctgaaaaa aggaaatatt cttgagagca ctttcataat gtcacaaat 360
acatggctaa atacattgtc ttgagcctcc ttccctaatgt ttcttagttt tttttcatat 420
tccatcttta gtaattcaat ttccccctct ttttctgca taatcttctc gcatgcttga 480
gcacactcct tttccacttt ttggatttcc atttctaatt gatcaatata tcttt 535

<210> 20

<211> 527

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 20
agaagcggtta tcgggtaggc taacctagga gcagaggatc agttcacgaa gagcgagcgg 60
gtgaactcga cgtagtcaaa agcagtgggg agttcgcggc ccttgctgtc cacgtagggc 120
ttcatgtggg agacgcagta gtcggcttgt tcccgagtca ggttctggta cagctcctcc 180
ttggtcacat aaggcttccc ttcagagctc agggcccggg aggcgctctc aatctcctcg 240
ctggacttga cgttctcggt ctacaggctg atcataaagg ccatgtactc ttgcaggag 300
acgtggccgt ccctgttagg atccacagtg tccaggatgg cctcgaactc agggtcgggc 360
tccccttcct ccaccatggg caggtcatag cccagggagc gcagacagga tttgaactcc 420
tgggtggttca gccggccaga cttgtccttg tcgaagtgtt tgaacatcat gctgaattct 480
ttgagggcct tacagataac gcttctcaaa ggcgaattct gcagata 527

<210> 21

<211> 546

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 21

gagaagcggtt atggcgggga ggtaccgaaa gcacagtaat cactgggtgtc gatattgtca	60
tgagccatca cttgcaggaa accagcttca caaaagaagc ctacaagaag tacatcaaag	120
attacatgaa gtcaatcaaa gggaaacttg aagaacagag accagaaaga gtaaaacctt	180
ttatgacagg ggctgcagaa caaatcaagc acatccttgc taatttcaaa aactatcagt	240
tctttatttg tgaaaacatg aatccagatg gcatggttgc tctgctggac taccgtgagg	300
atgggtgtaac cccatatatg attttcttta aggatggttt agagatggaa aaatgttaac	360
aaagttggca gttacttttg atcaatcacc tcccccccat aacgcttctc taatgcttat	420
tcatgcagac aacaccagga cttagacaga tgggactgat gtcattctga gctcttcatt	480
tgttttgaac gttgatttat ttggagcgga ggcattgttt ttgagaaaac gtgtcatgta	540
gggtccc	546

<210> 22

<211> 310

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 22

ggggtagggtc aaaaaaagtc caaaccaaaa acaaaacctg ccaaaaccaa caaaaaacct	60
ccgaaatctg aagacaactg aatcaatccc tgcagtctca ctttctcttg gaaagaaaag	120
ttggataatc caaccctttt acaaaggata atacaagggt gacagttcca agctctcagg	180
aacagggtct tagacgcttt tggagggtga gaggcacaaa acggcagtct gaaaattcct	240

ttcatctcac ggcactgatt gagtttagac ttgatttctc ctcccctacc tacccgatat	300
aacgcttctc	310

<210> 23

<211> 151

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 23	
gaagggcagg cgcgaaaggc agctacagcc agtgagaaat cagatggcat ttacacgggc	60
ctgagcaccc ggaccagga gacttatgag accctgaagc atgagaaacc accacaatag	120
ctttagaaca gatgcccttt gtcacttctt t	151

<210> 24

<211> 379

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 24	
aatgtaaggg ggattagagt gattatggga gcagctaaag atgagagggg ctcagttttc	60
cgcaacacta aatctaaaaa gtattttggc ttcttactgt agagagcaga cctctacagg	120
aatcctacat tggaaaagag acccagaggt ctgcggttca ctgctgccac actgtctcac	180
atagtacctt tggagtaggc ctgacagaga gcacagggaa gcttcagaaa cctgtaattc	240
aagattttat ttttttgaga cgttctctct gatactgttc cccgccagcc ttttttaaaa	300
gtttgagaaa cttttcaagc tctgcaaaag gggacaaaga atttgccttg cagtgtgggg	360
atatgattga gcggcagtg	379

<210> 25

<211> 251

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 25

gtggtagggtg actgaggagt gtggcaagtt tgggtgctgtc aaccgtgtca tcattctacca	60
agagaagcag ggcgaggaag aggacgcgga gatcattgtc aagatttttg tggagttttc	120
cgtagcctct gagactcaca aggccatcca ggccttcaat gggcgctggt ttgctggccg	180
caagggtggtg gctgaagtgt atgaccagga gcgttttgat aacagtgacc tctctgcatg	240
acctcccccc c	251

<210> 26

<211> 290

<212> DNA

<213> artificial sequence

<220>

<223> ESB marker

<400> 26

gatcagtaca gctgccgagt gaaacacggt acttttgaac aaccccgat agttaagtgg	60
gatcgagacc tgtaagcagc accatcgaga tttgaacatt cttcatttgg tataatatct	120
ggaaaattct gtttccctgc tctttaatac tgatatgctt ttatgcttta tgcgcataat	180
cagaagtcatt attcatgtta ccataaatac cttctttata attttaccgt ggggtgctaca	240
tgtccatggt tgaccttctt aggcagggtgt ctgcagtgga ggtccacaaa	290